

Multivariate Linear Model of Female-specific Stably-selected Features against LTL

Group	Variable	Level	Coefficient (95% CI)	P-value
<i>Baseline Characteristics</i>	Body mass index BMI		−0.037 [−0.049 , −0.025]	2.19x10 <sup>−09</sup>
	Age at recruitment		−0.09 [−0.095 , −0.084]	2.92x10 <sup>−225</sup>
<i>Work</i>	Cycle	Yes	0.006 [0 , 0.012]	3.39x10 <sup>−02</sup>
<i>Education</i>	Qualifications	A levels/AS levels or equivalent	0.002 [−0.001 , 0.005]	2.16x10 <sup>−01</sup>
<i>Lifestyle</i>	Time spent watching television TV		−0.032 [−0.048 , −0.017]	4.48x10 <sup>−05</sup>
	Pub or social club	Yes	−0.003 [−0.005 , −0.001]	1.57x10 <sup>−02</sup>
	Frequency of friend family visits	About once a month	0.004 [0.001 , 0.007]	6.71x10 <sup>−03</sup>
<i>Ethnicity</i>	Ethnic background	African	0.054 [0.039 , 0.069]	8.70x10 <sup>−13</sup>
		Any other mixed background	0.016 [−0.003 , 0.036]	9.60x10 <sup>−02</sup>
		Any other white background	0.011 [0.005 , 0.017]	2.05x10 <sup>−04</sup>
		Caribbean	0.048 [0.037 , 0.059]	6.56x10 <sup>−17</sup>
		Chinese	0.042 [0.026 , 0.059]	6.88x10 <sup>−07</sup>
		Indian	−0.002 [−0.012 , 0.009]	7.63x10 <sup>−01</sup>
		Irish	0.005 [−0.001 , 0.011]	8.48x10 <sup>−02</sup>
		Other ethnic group	0.032 [0.022 , 0.043]	4.23x10 <sup>−09</sup>
<i>Physical Activity</i>	Usual walking pace	Brisk pace	0.004 [0.002 , 0.006]	6.06x10 <sup>−05</sup>
	Walking for pleasure not as a means of transport	Yes	0.003 [0.001 , 0.005]	1.31x10 <sup>−02</sup>
	Heavy DIY eg weeding lawn mowing carpentry digging	Yes	0.004 [0.002 , 0.006]	9.92x10 <sup>−05</sup>
<i>Mobile Phone Use</i>	Weekly usage of mobile phone in last 3 months	1–3 hours	−0.003 [−0.006 , 0]	4.26x10 <sup>−02</sup>
<i>Diet</i>	Dried fruit intake		0.052 [−0.003 , 0.107]	6.15x10 <sup>−02</sup>
	Cereal type	Biscuit cereal (e g Weetabix)	−0.001 [−0.003 , 0.002]	7.10x10 <sup>−01</sup>
		Muesli	0.004 [0.001 , 0.006]	6.94x10 <sup>−03</sup>
<i>Sun Exposure</i>	Time spend outdoors in summer		−0.009 [−0.021 , 0.002]	1.14x10 <sup>−01</sup>
	Skin colour	Black	0.003 [−0.01 , 0.017]	6.28x10 <sup>−01</sup>
	Use of sun uv protection	Never/rarely	0.002 [−0.003 , 0.006]	4.56x10 <sup>−01</sup>
<i>Early life</i>	Country of birth UK elsewhere	Elsewhere	0.002 [−0.003 , 0.007]	4.31x10 <sup>−01</sup>
		Scotland	0.01 [0.006 , 0.013]	2.86x10 <sup>−08</sup>
	Hair colour natural before greying	Black	0.007 [0.002 , 0.013]	9.31x10 <sup>−03</sup>
	Maternal smoking around birth	Yes	−0.003 [−0.006 , −0.001]	1.83x10 <sup>−03</sup>
<i>Female Specific</i>	Ever had breast cancer screening mammogram	Yes	0.007 [0.004 , 0.011]	1.26x10 <sup>−06</sup>
	Ever had cervical smear test	Yes	−0.006 [−0.012 , 0]	6.22x10 <sup>−02</sup>
	Had menopause	Not sure – had a hysterectomy	0.008 [0.004 , 0.012]	1.80x10 <sup>−04</sup>
	Birth weight of first child	Unknown	0.005 [0.002 , 0.007]	1.47x10 <sup>−04</sup>
	Ever used hormone replacement therapy HRT	Yes	−0.003 [−0.006 , −0.001]	2.90x10 <sup>−03</sup>
	Bilateral oophorectomy both ovaries removed	Yes	0.006 [0.001 , 0.01]	9.00x10 <sup>−03</sup>
	Ever had hysterectomy womb removed	Yes	0.009 [0.004 , 0.013]	2.11x10 <sup>−04</sup>
	Years since last cervical smear test		0.022 [0.009 , 0.035]	1.02x10 <sup>−03</sup>
	Age at first live birth		0.032 [0.02 , 0.043]	1.32x10 <sup>−07</sup>
	Age at last live birth		0.008 [−0.001 , 0.018]	8.42x10 <sup>−02</sup>
	Age at menopause last menstrual period		0.031 [0.02 , 0.043]	6.06x10 <sup>−08</sup>

